

ABSTRACT

A method, system and apparatus for use in computer-aided design, computer-aided manufacturing, computer-aided engineering and product lifecycle management. Cell descriptors are used to identify one or more geometric cells of a model. The cell descriptors are in the form of scripts specifying constraints or filters for identifying cells. The constraints are based on characteristics of items in the model, or associations between items in a model, that are readily discernable to the user, and are therefore easily written and susceptible to easy distribution to other systems.